



GAU 1764

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

OLBERT et al.

Serial No. 09/868,093

Filed: June 14, 2001

For: REACTOR MODULE WITH CONTACT TUBE BUNDLE

Group Art Unit: 1764

Examiner: Unassigned

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TC 1700

INFORMATION DISCLOSURE STATEMENT

Sir:

This subject Information Disclosure Statement is submitted in connection with applicants' continuing duty of disclosure under 37 CFR 1.56.

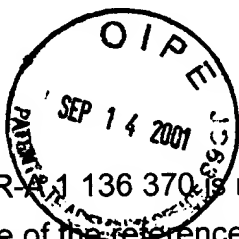
Listing of Relevant Documents

The relevant documents are listed in the attached Form PTO-1449.

Remarks

The listed reference are discussed on page 1 of the specification and were brought to applicants' attention by the attached International Search Report.

U.S. 5,739,391 is the English equivalent of DE-A 44 31 949, which is discussed on page 1 of the instant specification.



FR-A 1 136 370 is not available in English, however a concise explanation of the relevance of the reference is discussed in the attached International Search Report.

Respectfully submitted,
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INTERNATIONAL SEARCH REPORT

Int. l. Application No

PCT/EP 99/09971

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J8/06 B01J19/24 F28F9/00 F28D7/16 F28F9/22
F28F9/26 C07C47/127 C07C47/22 C07C51/265 C07C57/145

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J F28F F28D C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 1 136 370 A (COMBUSTION ENGINEERING INC) 13 May 1957 (1957-05-13) the whole document	1,2,5,6
Y	US 2 120 538 A (ANDREWS CHESTER E) 14 June 1938 (1938-06-14) page 1, left-hand column, line 1 -right-hand column, line 24 figures 1,2	1,12
Y	US 3 850 232 A (WANKA OSCAR, GÜTLHUBER FRIEDRICH, GRAF HERMANN) 26 November 1974 (1974-11-26) the whole document	1,2,5,6, 12
A		8

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

19 April 2000

Date of mailing of the international search report

02/05/2000

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 99/09971

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 1136370 A	13-05-1957	NONE	
US 2120538 A	14-06-1938	NONE	
US 3850232 A	26-11-1974	BE 795180 A	29-05-1973
		DE 2207166 A	20-09-1973
		FR 2172147 A	28-09-1973
		GB 1415783 A	26-11-1975
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		JP 896602 C	14-02-1978
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		JP 52019831 B	31-05-1977
		NL 7301648 A,B,	20-08-1973